

(2) Be capable of supporting a 250-pound (1100 N) load without deformation; and

(3) Have a minimum width between side rails of 12 inches (30 cm) for ladders 10 feet (3.05 m) or less in height. Width between rails shall increase at least one-fourth inch (0.6 cm) for each additional two feet (0.61 m) of ladder length.

(i) The employer shall:

(1) Maintain portable ladders in safe condition. Ladders with the following defects shall not be used, and shall either be tagged as unusable if kept on board, or shall be removed from the vessel:

(i) Broken, split or missing rungs, cleats or steps;

(ii) Broken or split side rails;

(iii) Missing or loose bolts, rivets or fastenings;

(iv) Defective ropes; or

(v) Any other structural defect.

(2) Ladders shall be inspected for defects before each day's use, and after any occurrence, such as a fall, which could damage the ladder.

(j) Ladders shall be used in the following manner:

(1) Ladders shall be securely positioned on a level and firm base.

(2) Ladders shall be fitted with slip-resistant bases and/or be positively secured or held in place to prevent slipping or shifting while in use.

(3) Except for combination ladders, self-supporting ladders shall not be used as single straight ladders.

(4) Unless intended for cantilever operation, non-self-supporting ladders shall not be used to climb above the top support point.

(5) Ladders shall not be used:

(i) As guys, braces or skids; or

(ii) As platforms, runways or scaffolds.

(6) Metal and wire-reinforced ladders (even with wooden side rails) shall not be used when employees on the ladder might contact energized electrical conductors.

(7) Individual sections from different multi-sectional ladders or two or more single straight ladders shall not be tied or fastened together to achieve additional length.

(8) Single rail ladders (i.e. made by fastening rungs or devices across a single rail) shall not be used.

§ 1918.25 Bridge plates and ramps (See also § 1918.86).

(a) *Bridge and car plates (dockboards).* Bridge and car plates used afloat shall be well maintained and shall:

(1) Be strong enough to support the loads imposed on them;

(2) Be secured or equipped with devices to prevent their dislodgement;

(3) Be equipped with hand holds or other effective means to permit safe handling; and

(4) Be designed, constructed, and maintained to prevent vehicles from running off the edge.³

(b) *Portable ramps.* Portable ramps used afloat shall be well maintained and shall:

(1) Be strong enough to support the loads imposed on them;

(2) Be equipped with a railing meeting the requirements of § 1918.21(b), if the slope is more than 20 degrees to the horizontal or if employees could fall more than four feet (1.2 m);

(3) Be equipped with a slip resistant surface;

(4) Be properly secured; and

(5) Be designed, constructed, and maintained to prevent vehicles from running off the edge.⁴

§ 1918.26 Access to barges and river towboats.

(a) With the exception of § 1918.25(b)(2), ramps used solely for vehicle access to or between barges shall meet the requirements of § 1918.25.

(b) When employees cannot step safely to or from the wharf and a float, barge, or river towboat, either a ramp meeting the requirements of paragraph (a) of this section or a safe walkway meeting the requirements of § 1918.22(f) shall be provided. When a ramp or

³When the gap to be bridged is greater than 36 inches (.91m), an acceptable means of preventing vehicles from running off the edge is a minimum side board height of two and three-quarter inches.

⁴When the gap to be bridged is greater than 36 inches (.91m), an acceptable means of preventing vehicles from running off the edge is a minimum side board height of two and three-quarter inches.